



Service Manual

Built-in oven

AKZ 493/IX

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	8585 493 01000	
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Technical data

Electrical connection

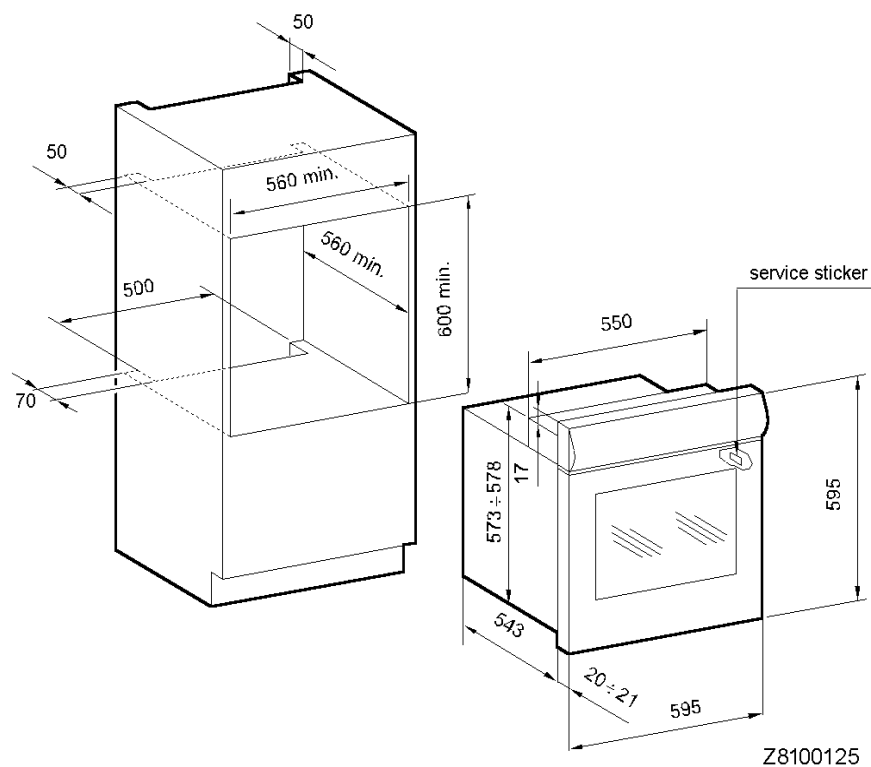
Rated voltage	230 V ~		
Main connection	230 V	1N~ 50	Hz
Total connected load	2400		W
Upper heating element / Grill element	2250		W
Lower heating element	1450		W
Forced air	1840		W

Electrical components

Auto timer	Interface module
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Accessories

Baking tray enameled	375 x 445.5	mm
Fat pan enameled	375 x 445.5	mm
Grid chrome	446.5 x 340	mm



Technical data

Failure codes

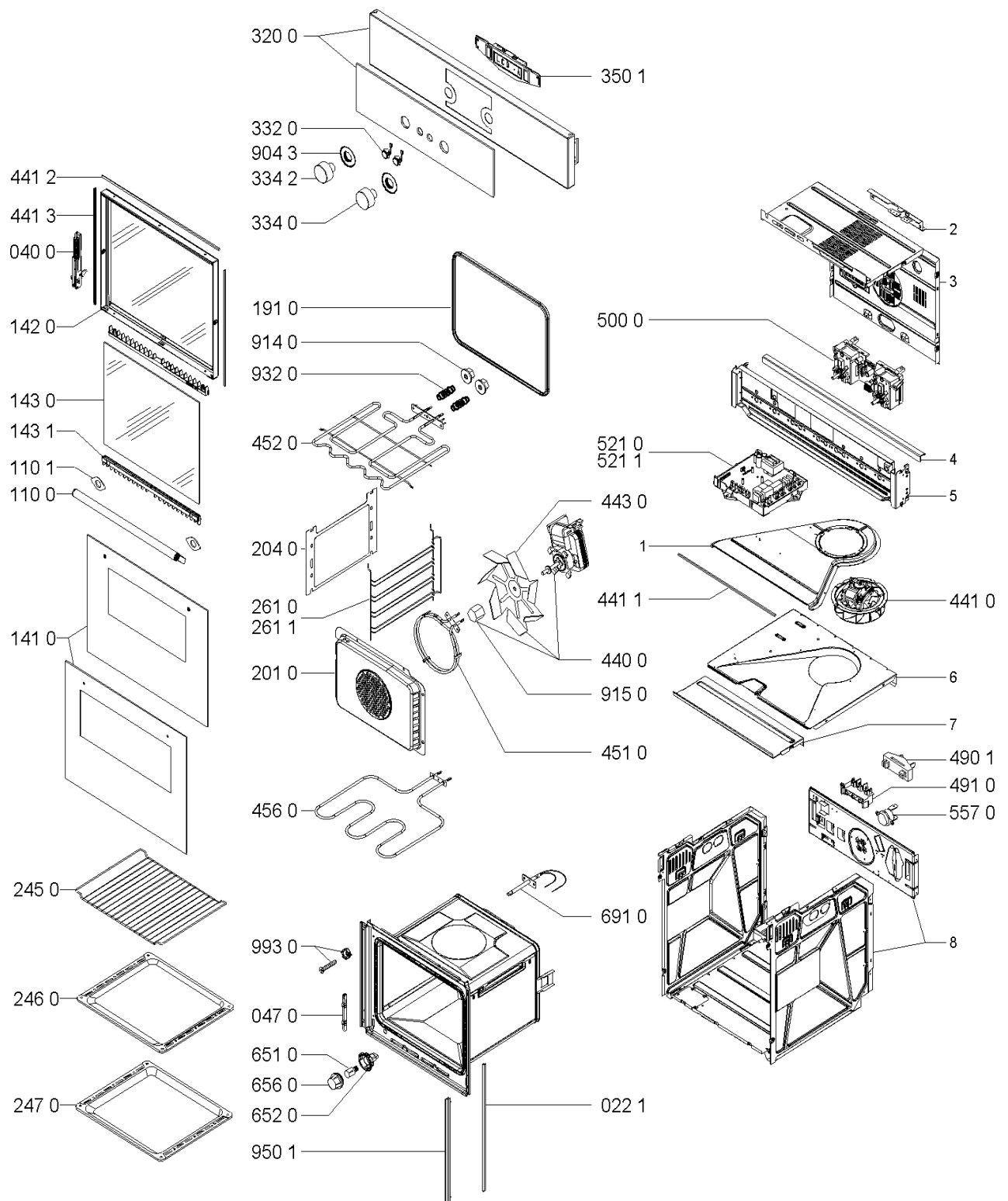
Product Type	Failure Code	Failure Type	Test
All	F01	Temperature Probe	First check probe connection. If ok, disconnect the probe and measure its resistance ($1000\Omega + 3.75 \times \text{Temp ambient}$). If value is in range, change Antares / Capricorn.
All	F02	Temperature Error	Check heating elements insulation (disconnect each heating element and check each terminal for continuity to GROUND). If there is no continuity, change Antares / Capricorn.
All	F03	A.M. EEPROM	Replace Capricorn or if applicable reprogram Antares EEPROM using SAM. If the problem persists, change Antares.
Capricorn only	F04	W.I.S.P. Protocol	First check connection between Capricorn and Scales. If connection is ok, connect a new Capricorn to the Scales and check if the appliance works correctly. Otherwise change Scales.
Pyro	F05	Door Latch	First unplug the appliance, wait at least 10sec then reconnect. Verify that latch system works correctly (door has to be closed, motor has to run). If this happens, check the connection between Antares and door latch system. If it is ok, check micro switch functionality (door switch open if the door is open and latch switch open if the door is unlocked). If switches are ok, then change Antares.
Pyro	F06	Door Closure	First check connection between Antares and door latch system. If it is ok, check door switch functionality (open circuit if the door is open, closed circuit if the door is closed). If switch is ok, then change Antares.
All	F07	Communication UI/AM	First check connection between Antares / Capricorn & User Interface. If connection is ok, connect a new User Interface to the Antares / Capricorn and check if the appliance works correctly. In this case change the User Interface on the appliance. Otherwise change the Antares / Capricorn.
TAD	F08	UI EEPROM	Change G2 Smart.
TAD	F09	Communication G2SMART/Antares	First check connection between Antares & User Interface. If connection is ok, connect a new G2SMART to the Antares and check if the appliance works correctly. In this case change the G2SMART on the appliance. Otherwise change the Antares
Pyro	F10	Primary grill	First check grill connections. If it is ok, disconnect the heating element and check the resistance between the terminals (approx. $22\Omega \pm 3\Omega$). If the value is in range, change Antares.
TAD	F11	Communication G2SMART/TEX	First check connection between G2 and TEX. If connection is ok, connect a new TEX to the G2SMART and check if the appliance works correctly. Otherwise change G2SMART

Spare part list

Model AKZ 493/IX
Service No. 858549301000
Version 858549301000

Pos. No.	12NC Code	Description
022 1	4812 460 49518	Trim, side kit
040 0	4812 417 19144	Hinge
047 0	4812 417 19137	Hinge run.mech.
110 0	4812 498 58203	Door handle
110 1	4819 462 48456	Rubber ring
141 0	4812 450 58927	Oven glass + trim
142 0	4812 450 58924	Inner glass + frame
143 0	4812 450 58596	Glas cover
143 1	4812 404 78508	Support
191 0	4812 466 88774	Gasket, door
201 0	4812 440 19701	Panel, rear
204 0	4812 440 19702	Side panel
245 0	4819 458 19991	Oven shelf
246 0	4812 418 38123	Baking tray
247 0	4812 418 38122	Fat pan
261 0	4819 458 68266	Inset grid left
261 1	4819 458 68265	Inset grid right
320 0	4812 452 48927	Panel,control + glass
332 0	4812 410 78169	Push button
334 0	4812 412 79052	Knob
334 2	4812 412 79053	Knob
350 1	4812 130 18674	Display TAD assy
440 0	4812 361 18399	Motor, fan
441 0	4812 361 18393	Ventilator cooling
441 1	4819 468 18387	Gasket border
441 2	4812 466 68719	Gasket
441 3	4812 466 68723	Gasket, door
443 0	4819 515 48065	Fan wheel
451 0	4812 259 98405	Heating element forced-air 240 V
452 0	4812 259 98419	Heating element upper/grill
456 0	4812 259 98418	Heating element lower heat 1450 W
490 1	4812 290 68255	Clamp, cable
491 0	4812 290 68273	Connection block
500 0	4812 214 58149	Unit control TAD
521 0	4812 214 58151	Power unit unprogrammed
521 0	4812 214 58212	Power unit programmed
557 0	4812 282 28263	Temper. limiter
651 0	4819 134 88153	Lamp, oven
652 0	4819 255 18237	Holder, lamp rear
656 0	4819 450 69844	Lamp screen rear
691 0	4819 210 78097	Sensor temper.
904 3	4812 468 18341	Spacer knob
914 0	4819 505 18323	Nut
915 0	4819 505 18145	Nut
932 0	4819 492 68714	Spring
950 1	4812 466 88773	Gasket
993 0	4812 310 38846	Mounting kit
993 1	4812 460 79072	Trim, kit

Exploded view



Wiring diagram

